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Approved for a Chrough 03/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
<b>CONCERNING A SUBMISSION UNDER U.S.C. 371</b>

ATTORNEY DOCKET NUMBER HMP01 003

С				ED/ELECTED OFFICE G A SUBMISSION U		U.S. APPLIATION 1909.4888						
	RNAT			PLICATION NO.	INTERNATIONAL FILING D. 10 November 2003 (10.11.2	PRIORITY DATE CLAIMED: 15 November 2002 (15.11.2002)						
TITL	E OF	INVE	NTION	N: RATUS FOR HEATING REFR								
	APPLICANT(S) FOR DO/EO/US:											
Mark TARNAWSKI  Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other												
	nformation.											
1.	$\boxtimes$	This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.										
2.		This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.										
3.		This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below:										
4.		The US has been elected (Article 31).										
5.	$\boxtimes$	A copy of the International Application as filed (35 U.S.C. 371(c)(2))										
		a.	$\boxtimes$	is attached hereto (req	uired only if not commu	nicated by the I	nternational Bureau).					
		b.		has been communicate	۲							
		C.		is not required, as the	applicátion was filed in t	he United State	es Receiving Office (RO/US).					
6.		An	Engl	ish language translation	of the International App	olication as filed	(35 U.S.C. 371(c)(2))					
		a.		is attached hereto.								
		b.		has been previously su	ıbmitted under 35 U.S.C	C. 154(d)(4).						
7.	$\boxtimes$	Am	endr	nents to the claims of th	e International Applicati	on under PCT A	Article 19 (35 U.S.C. 371(c)(3))					
		a.		are attached hereto (re	equired only if not comm	unicated by the	e International Bureau).					
		b.		have been communica	ted by the International	Bureau.						
		C.		have not been made; h	nowever, the time limit fo	or making such	amendments has NOT expired.					
		d.	$\boxtimes$	have not been made a								
8.		An	Engl	ish language translation	of the amendments to	the claims unde	er PCT Article 19 (35 U.S.C. 371(c)(3)).					
9.				or declaration of the inv								
10.		An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).										
	iten	ns 1	1 to :	20 below concern doc	ument(s) or informatio	n included:						
11.				mation Disclosure State								
12. incl	☐ uded											
13.	$\boxtimes$	A preliminary amendment.										
14.	$\boxtimes$	An Application Data Sheet under 37 CFR 1.76.										
15.		A substitute specification.										
16.		A power of attorney and/or change of address letter.										
17. 1.82		A c	omp	uter-readable form of the	e sequence listing in ac	cordance with P	PCT Rule 13ter.2 and 37 CFR 1.821-					
18.		A s	econ	d copy of the published	International Applicatio	n under 35 U.S.	.C. 154(d)(4).					
19.		A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4)										

This collection of information is required by 37 CFR 1.14 AND 1.491-1.492. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

20. Other items or information: International Search Report

U.S. APPLICATION NO. (If known, see 37 C.F.R. INTERNATIONAL APPLICATION NO.								ATTORNEY DOCKET NUMBER HMP01 003			
1	0/	534	niviro1 003								
			been subm					CALCULATIONS ONLY	PTO USE		
	national f		\$300	\$300							
22. 🛭 Exam If International p provisions All other situation	reliminary	y examina rticle 33 (	\$200.								
23. Search Search fee (37 Gearch fee	h Fee CFR 1.44 an Intern	5(a)(2)) h national S	\$400.								
			To	OTAL	of 21, 22, and 23	3 =		\$900.			
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CLAIMS	N	NUMBER FILED		NUMBER EXTRA			RATE	\$			
Total claims	3	21- 20 =			1		550	\$50.			
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Applicant o	claims sm	nall entity	status. See	e 37 Cl	FR 1.27. Fees a	bove	are reduced by				
			\$1,080.								
Processing fee the earliest clai	of \$130.0	0 for furn	ishing the E 37 CFR 1.4	English 92(i)).	translation later	than :	30 months from	\$			
uno comoci oran		,	<u> </u>	(//	тот	AL N	ATIONAL FEE =	\$1,080.			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property								\$			
					TOTAL	FEE	S ENCLOSED =	\$1,080.			
								Amount to be refunded:	\$		
								Amount to be charged:	\$		
a. 🛛							e fees is enclosed				
b. 🗆								to cover the a			
с. 🛛	Deposit Account No. <u>04-1679</u> . A duplicate copy of this sheet is enclosed.										
d.  Fees are to be charged to a credit card. WARNING: Information on this form ay become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.											
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.											
SEND ALL CORRESPONDENCE TO:  SIGNATURE											
							<u>D. J</u>	oseph English	)		
							42,5	NAME 514			
1	REGISTRATION NUMBER										